Page 2, between lines 30 and 31, and immediately prior to the line beginning "Other aspects and preferred embodiments . . ." insert as a new line: --Brief Description of the Drawings--.

Page 4, between lines 11 and 12, and immediately prior to the line beginning "State space representation . . ." insert as a new line: --IV. Detailed Description of a Preferred Embodiment of the Invention--.

IN THE ABSTRACT

Please insert the attached Abstract to the application.

IN THE CLAIMS

Cancel claims 12 and 13.

Claim 1 (Amended) A method of generating a synthetic waveform output corresponding to a sequence of substantially similar cycles, comprising the steps of:

(a)   generating a synthetic waveform sample;

(b)   generating a successive waveform sample from said synthetic waveform sample and data defining [the] a transformation followed by said cycles in [the] a temporal vicinity of said synthetic waveform sample;

(c)   designating said successive waveform sample as a synthetic waveform sample and repeating step (b);

(d)   repeating step (c) a plurality of times to generate a sequence of said successive waveform samples corresponding to a plurality of said cycles; and